

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the Application of

Ranjan RAY

Serial No.: To be assigned

Filed: February 23, 2004

For: FINE GRAINED SPUTTERING TARGETS OF COBALT AND NICKEL BASE ALLOYS
MADE VIA CASTING IN METAL MOLDS FOLLOWED BY HOT FORGING AND
ANNEALING AND METHODS OF MAKING SAME

INFORMATION DISCLOSURE STATEMENT

Mail Stop Patent Application
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

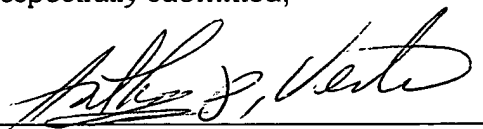
Sir:

Pursuant to Rules 56 and 98, Applicants hereby call the attention of the Patent Office to the references listed on the attached Form PTO 1449.

Applicants present these references so that the Patent Office may, in the first instance, determine any relevancy thereof to the presently claimed invention, see Beckman Instruments, Inc. v. Chemtronics, Inc., 439 F.2d 1369, 1380, 165 USPQ 355, 364 (5th Cir. 1970). Also see Patent Office Rule 104. Applicants respectfully request that these references be expressly considered during the prosecution of this application and made of record herein and appear among the "References Cited" on any patent to issue herefrom.

Respectfully submitted,

Date: Feb. 23, 2004

By: 
Anthony P. Venturino
Registration No. 31,674

APV/kag
ATTORNEY DOCKET NO. APV31670

STEVENS, DAVIS, MILLER & MOSHER, L.L.P.
1615 L STREET, N.W., SUITE 850
WASHINGTON, D.C. 20036
TEL. 202-785-0100 / FAX. 202-408-5200

FORM PTO-1449 U.S. Department of Commerce
(Rev. 4/92) Patent and Trademark Office

ATTY. DOCKET NO.
APV31670

SERIAL NO.
To be assigned

INFORMATION DISCLOSURE
STATEMENT BY APPLICANT

(Use several sheets if necessary)

APPLICANT
Ranjan RAY

FILING DATE
February 23, 2004

GROUP

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	5 1 6 3 4 9 8	11/92	Kantner et al.			
	3 6 8 3 9 9 6	08/72	Dunlop			
	3 5 6 7 8 9 6	03/71	Chang			
	4 0 0 5 1 6 3	01/77	Bokros			
	4 7 6 1 2 7 2	08/88	Hucke			
	5 9 2 4 4 7 0	07/99	Costilla-Vela et al.			
	5 9 6 4 0 9 1	10/99	Fukui et al.			
	4 1 2 9 4 6 2	12/78	Korenko			
	5 1 7 6 7 6 2	01/93	Berczik			
	5 4 8 9 4 1 1	02/96	Jha et al.			
	5 0 2 6 5 2 1	06/91	Kajimura et al.			
	5 6 6 5 2 6 2	09/97	Hajaligol et al.			
	5 2 2 6 9 4 6	07/93	Diehm et al.			
	4 6 7 0 2 0 1	06/87	Montgomery et al.			
	4 2 2 6 9 0 0	10/80	Carlson et al.			
	3 7 1 8 7 2 0	02/73	Lambdin, Jr. et al.			
	3 4 9 2 1 9 7	01/70	Olstowski et al.			
	3 2 5 6 5 7 4	06/66	Lirones			
	3 7 8 1 1 5 8	12/73	Leghorn			

FOREIGN PATENT DOCUMENTS

DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION
					YES NO

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

EXAMINER	DATE CONSIDERED
----------	-----------------

EXAMINER: Initial if citation is considered, draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

FORM PTO-1449 U.S. Department of Commerce
(Rev. 4/92) Patent and Trademark Office

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(Use several sheets if necessary)

ATTY. DOCKET NO.
APV31670

SERIAL NO.
To be assigned

APPLICANT
Ranjan RAY

FILING DATE
February 23, 2004

GROUP

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE

FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO
6	0 0 4 0 6 4 4	03/85	JP			Abstract Only	
5	5 1 4 9 7 4 7	11/80	JP			Abstract Only	
	1 3 0 6 6 4 1	04/87	SU				X

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

	USSN 10/143,920, Ranjan RAY et al., filed May 14, 2002
	USSN 10/151,871, Ranjan RAY et al., filed May 22, 2002
	USSN 60/463,736, Ranjan RAY et al., filed April 18, 2003

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if citation is considered, draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

FORM PTO-1449 U.S. Department of Commerce
(Rev. 4/92) Patent and Trademark Office

INFORMATION DISCLOSURE
STATEMENT BY APPLICANT

(Use several sheets if necessary)

ATTY. DOCKET NO.
APV31670

SERIAL NO.
To be assigned

APPLICANT
Ranjan RAY

FILING DATE
February 23, 2004

GROUP

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	2 9 7 7 2 2 2	03/61	Bieber			
	3 2 4 1 2 0 0	03/66	Lirones			
	3 2 4 3 7 3 3	03/66	Hosman			
	3 2 6 5 5 7 4	08/66	Scolari			
	3 2 6 6 1 0 6	08/66	Lirones			
	3 2 9 6 6 6 6	01/67	Lirones			
	3 2 5 7 6 9 2	06/66	Operhall			
	3 3 2 1 0 0 5	05/67	Lirones			
	3 3 8 9 7 4 3	06/68	Morozov et al.			
	3 4 8 5 2 8 8	12/69	Zusman et al.			
	3 5 1 9 5 0 3	07/70	Moore et al.			
	3 5 4 7 6 7 6	12/70	Bokros et al.			
	3 9 0 0 5 4 0	08/75	Robba et al.			
	4 2 0 9 3 4 8	06/80	Duhl et al.			
	4 2 2 6 9 0 0	10/80	Carlson et al.			
	4 4 5 3 9 8 5	06/84	Gessinger et al.			
	4 5 7 4 0 1 5	03/86	Genereux et al.			
	4 5 7 9 6 0 2	01/86	Paulonis et al.			
	4 6 0 8 1 9 2	08/86	Su			
	4 6 1 2 0 6 2	09/86	Nazmy et al.			
	4 6 2 7 9 4 5	12/86	Winkelbauer et al.			
	4 7 1 9 0 8 0	01/88	Duhl et al.			
	4 7 6 9 0 8 7	09/88	Genereux et al.			
	5 5 2 5 2 7 6	06/96	Okuyama et al.			
	5 6 3 0 4 6 5	05/97	Feagin			
	5 7 0 5 1 3 9	01/98	Stiller et al.			

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if citation is considered, draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. (Form PTO-1449 (6.4))